

Investigation types of chemical reactions, Introduction and review of writing a balanced chemical equation.

Types of chemical reactions:



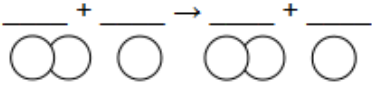
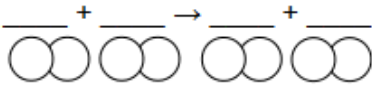
1. In your own words, define what the reaction type is
2. How to identify it (what is always present, patterns etc.)
3. For each type of reaction write out the generic form (using letters as variable A, B, C, etc. = chemical ion, species, or element).
4. List any exceptions or special cases (you will have to look for these, hint decompositions, combustions, etc.)

<https://chemfiesta.org/2015/09/08/the-six-types-of-reaction/>

After you are finished use what you have learned to complete the following:

Part A:

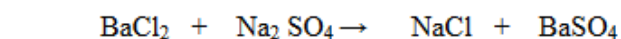
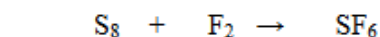
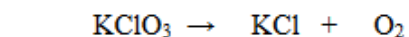
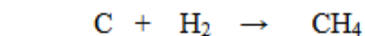
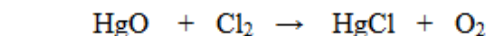
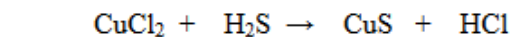
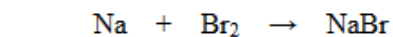
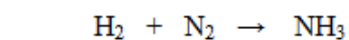
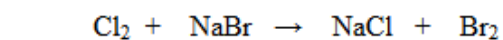
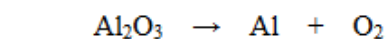
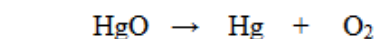
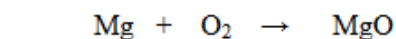
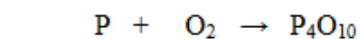
1. Watch the video and then complete the chart.

Type of Reaction	Definition	★ Equation
Synthesis		
Decomposition		
Single Replacement		
Double Replacement		

Colors: A = Red, B = Blue, C = Green, D = Yellow

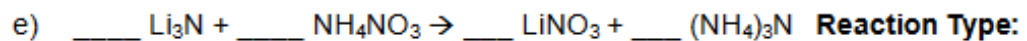
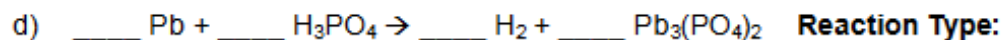
2. Use colored pencils to circle the common atoms or compounds in each equation to help you determine the type of reaction it illustrates. Use the code below to classify each reaction.

S = Synthesis D = Decomposition SR = Single Replacement DR = Double Replacement



Part B:

*Balance the reactions **a to e** and indicate which types of chemical reaction that are being represented:*



Indicate the type of reactions for letters g through t.

